



The Faculty of Mathematics and Natural Sciences and the Faculty of Medicine of the University of Cologne announce

TWO NEW PROFESSORSHIPS (W3)

at the Cologne Center of Excellence CECAD on “Cellular Stress Responses in Aging-Associated Diseases”. An attractive start-up package and access to outstanding research facilities will be provided. The successful candidates are expected to further reinforce and complement the joint research efforts of the University of Cologne, the Max Planck Institutes for Biology of Ageing and for Metabolism Research, as well as the German Center for Neurodegenerative Diseases (DZNE).

Metabolomics in Aging

We seek individuals with internationally recognized research accomplishments and expertise on the role of metabolism and/or the dynamics of metabolites within cells and/or organ-organ communication or organism/environment interactions and interested in how these pathways or dynamics affect health and contribute to Aging and Aging-associated Diseases. The successful candidate is an expert in state-of-the-art techniques that allow metabolomic analyses combined with qualitative and quantitative analyses of metabolite levels and fluxes in age-related changes in different model organisms. Moreover, this candidate is expected to academically lead the newly established CECAD metabolomics Facility.

Microbiota in Aging

We seek individuals with internationally recognized research accomplishments and expertise on the study of the microbiota and its impact in physiology and Disease. Candidates who are interested in understanding how microbiota-host interactions affect health and contribute to Aging and Aging-associated Diseases in humans and/or in animal models are encouraged to apply. The successful candidate will employ cutting-edge “omics” tools - (meta)genomics, transcriptomics, proteomics and/or metabolomics- combined with functional studies to dissect the dynamic composition and properties of the microbiome, and its impact in host physiology, taking advantage of established human patient cohorts and a planned gnotobiotic mouse facility.

Both positions are to be filled at the earliest possible date. Qualification requirements are in accord with §36 of the Universities act of North Rhine-Westphalia (HG NRW). Applicants should include a letter of interest, curriculum vitae, publication list highlighting the 5 most important publications and a list of third-party grants, a future research program, teaching experience and contact information of at least three references. Applications should be addressed to the Prorector for research (<https://berufungen.uni-koeln.de>). Closing date for applications has been **prolonged** to the **28.08.2019** (originally: 11.08.2019).

The University of Cologne is committed to equal opportunities and diversity. Women are expressly encouraged to apply and given priority in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with special needs or of equivalent status.